ALEHSON DRIVE

N/F PREDARIS FAMILY REVOCABLE TRUST

N/F BERMAN

EXISTING 3 BEDROOM HOUSE WITH BASEMENT FFL ELEV 69.0±

PROPOSED ADDITION

EXISTING TOWN WATER

EXISTING PAVED DRIVEWAY

APPROX PAVED DRIVEWAY

APPROX WATER SERVICE PER ORIG PLANS

DRIVEWAY CULVERT

ROADSIDE DRAINAGE SWALE

DITCH

EDGE OF HYDRIC B SOILS

APPROX EDGE OF POND (HYDRIC A)

EXIS LEACH FIELD PER ORIGINAL DESIGN

ORIGINAL GRADE CONTOURS FROM SEPTIC DESIGN

TO BE LEVEL

TOP OF EXIS TANK EL 65.33

VERIFY MATCH EXIS PIPE

RETAINING WALL

SOIL CLASS 140

BM#1 SET NAIL ROOT EL 65.12

BM#2 END SPIKE END STEP EL 62.96

BM#3 SET NAIL 18" PINE EL 59.10

SET HUB EL 64.78

BLDG SETBACK LINE

CONVEY CULVERT

200'± TO TEHIAS ST

N43°59'25"E 50.00'

N32°35'25"E 310.44'

S46°00'35"E 160.00'

S49°00'06"W 208.07'

S83°39'11"W 126.06'

N46°00'19"W 197.09'

LOT AREA:
31803 SF±
(LOT 31 RCRD PLAN D4695)
TAX MAP 16 LOT 55

No.	Bearing	Distance
L1	N46°00'19"W	26.34'

No.	Delta	Radius	Arc Length	Chord Length	Chord Bearing
C1	40°34'57"	163.90	116.09	113.68	N66°18'03"W

plan

Command= 210-
Point#, Start#-End# or G#= 1-133

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
----------01-15-2025-----14:38:05----------D:...\BMHOME9							
		50.00	SETHUB	1	4828.8618	4941.4770	
		50.56	SETHUB	2	4883.8975	5052.0697	TRA
		53.58	FNDIP*	3	4752.5423	4958.1058	SS
		52.66	TREEHSE	4	4774.3973	4977.9340	SS
		51.06	WOODS	5	4791.7359	5024.5703	SS
		51.09	WLLEDWDS	6	4820.8341	5004.8002	SS
		51.67	<WLL	7	4813.1118	4984.1215	SS
		50.91	ENDWLL	8	4819.4561	4969.0996	SS
		50.37	COREDWDS	9	4817.9137	4942.1709	SS
		49.57	@<WLL	10	4815.6951	4918.6410	SS
		48.96	@<WLL**	11	4832.4724	4919.5017	SS
		47.93	@WLL**	12	4850.0219	4909.2655	SS
		49.10	EDGPD**	13	4862.7540	4931.2211	SS
		49.10	EDGPD**	14	4886.1658	4939.7527	SS
		46.79	CLDTCH	15	4895.3222	4920.1123	SS
		46.39	CLDTCH	16	4934.1992	4945.1095	SS
		46.77	CORFND*	17	4906.9645	4966.2256	SS
		49.16	CORWALK	18	4906.4925	4953.7185	SS
		51.21	CORDECK	19	4878.2359	4961.3406	SS
		51.00	CORDECK	20	4864.7696	4966.2778	SS
		53.98	DECKEL**	21	4876.5987	4977.0105	SS
		51.93	CORWLK**	22	4863.2845	4978.2084	SS
		51.75	CORHSE	23	4869.1326	4979.7111	SS
		52.07	CHIM**	24	4870.5012	4990.0396	SS
		52.50	CORHSE	25	4878.7746	5006.2967	SS
		51.11	TOPTANK	26	4874.9545	5014.2713	SS
		50.83	CORPATIO	27	4869.9009	4948.0994	SS
		50.94	CORPATIO	28	4853.7608	4953.6832	SS
		50.92	ENDSLIDE	29	4841.0447	4987.4295	SS
		45.64	FNDIP	30	5099.8484	4911.8147	SS
		45.78	FNDIP	31	4999.9961	5000.0011	SS
		44.48	CLENDDTC	32	5007.2346	5000.9012	SS
		44.96	<DTCH	33	4976.3047	4963.8020	SS
		45.60	CLDTCH	34	4948.0639	4955.3848	SS
		43.82	@CULV	35	4967.1333	5039.3638	SS
		43.55	CLSWALE	36	4942.3423	5061.8048	SS
		43.36	CLSWALE	37	4917.0678	5083.9546	SS
		43.15	CLSWALE	38	4900.4016	5098.4933	SS
		42.93	CLSWALE	39	4882.2251	5115.8177	SS
		42.50	@CULV	40	4863.4973	5133.0702	SS
		43.77	POLE	41	4876.1186	5127.0070	SS
		44.15	EP	42	4891.1012	5122.3113	SS
		44.59	TOPIP1.2	43	4917.7235	5156.9708	SS
		44.99	EP	44	4933.7730	5080.1970	SS
		45.54	COREP	45	4976.1707	5043.9472	SS
		45.87	EPPC	46	4994.0165	5022.1166	SS

JOB #2 585NEITZ [133]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
		01-15-2025		14:38:05		D:...\BMHOME9	
		55.44	EPPC	47	4974.1013	5029.7256	SS
		46.20	EP	48	4962.0193	5017.7947	SS
		46.58	EPEW**	49	4948.9299	5006.0123	SS
		48.74	FDSPK**	50	4933.5551	5011.8059	SS
		50.42	@STEP*	51	4923.9117	5014.2044	SS
		51.36	EDGWLK	52	4907.5343	5014.7681	SS
		52.24	CLWLK***	53	4899.6785	5004.9206	SS
		54.72	THRSH*	54	4897.7478	4999.4314	SS
		51.64	CORHSE**	55	4916.5892	4992.6719	SS
		51.79	EDGPLNT	56	4879.5836	5015.3321	SS
		49.69	SPRUCE	57	4844.1129	5028.0950	SS
		49.33	PIT#1	58	4848.5596	5037.1201	SS
		48.78	EDGWDS**	59	4832.2776	5052.1498	SS
		50.90	SETNLRT*	60	4831.1137	5018.3779	SS
		46.42	EDHWDS	61	4847.9142	5082.8159	SS
		44.22	TSEDWDS	62	4878.9451	5107.4085	SS
		48.10	EDWDS***	63	4822.5451	5075.6002	SS
		45.94	PIT#2	64	4859.7691	5076.2508	SS
		46.67	ENDRTWLL	65	4862.0011	5068.6407	SS
		45.96	<RTWL**	66	4877.1021	5069.6093	SS
		44.88	SETNL18P	67	4897.5918	5077.2463	SS
		46.74	@RTWLL**	68	4897.9273	5055.4016	SS
		46.97	@RTWLL**	69	4915.0496	5043.2741	SS
		46.66	@RTWLL**	70	4937.0681	5027.6264	SS
		47.13	ENDRTWL*	71	4942.2981	5017.5890	SS
		50.42	TS	72	4922.6634	5024.4650	SS
		50.58	TS	73	4896.2242	5042.5086	SS
		50.86	GND	74	4896.2711	5026.9186	SS
		50.37	GND**	75	4864.6595	5041.3973	SS
		49.63	TS	76	4868.6179	5058.9567	SS
		50.88	GND	77	4867.4624	5022.8209	SS
		51.77	GND	78	4856.9583	4982.1391	SS
		53.57	IPCHK	79	4752.6192	4958.2279	SS
				100	5000.0000	5000.0000	
				101	4888.8742	5115.1132	TRA
				102	4752.3726	4958.0768	TRA
				103	4738.4368	4832.7895	TRA
				104	4999.9961	5000.0011	TRA
				105	5018.2941	4981.0495	TRA
				106	5054.2670	5015.7763	TRA
				107	4917.3808	5157.5742	TRA
				108	4936.3479	4901.9418	TRA
				109	5099.9580	4911.6844	PT

Point#, Start#-End# or G#= 4-

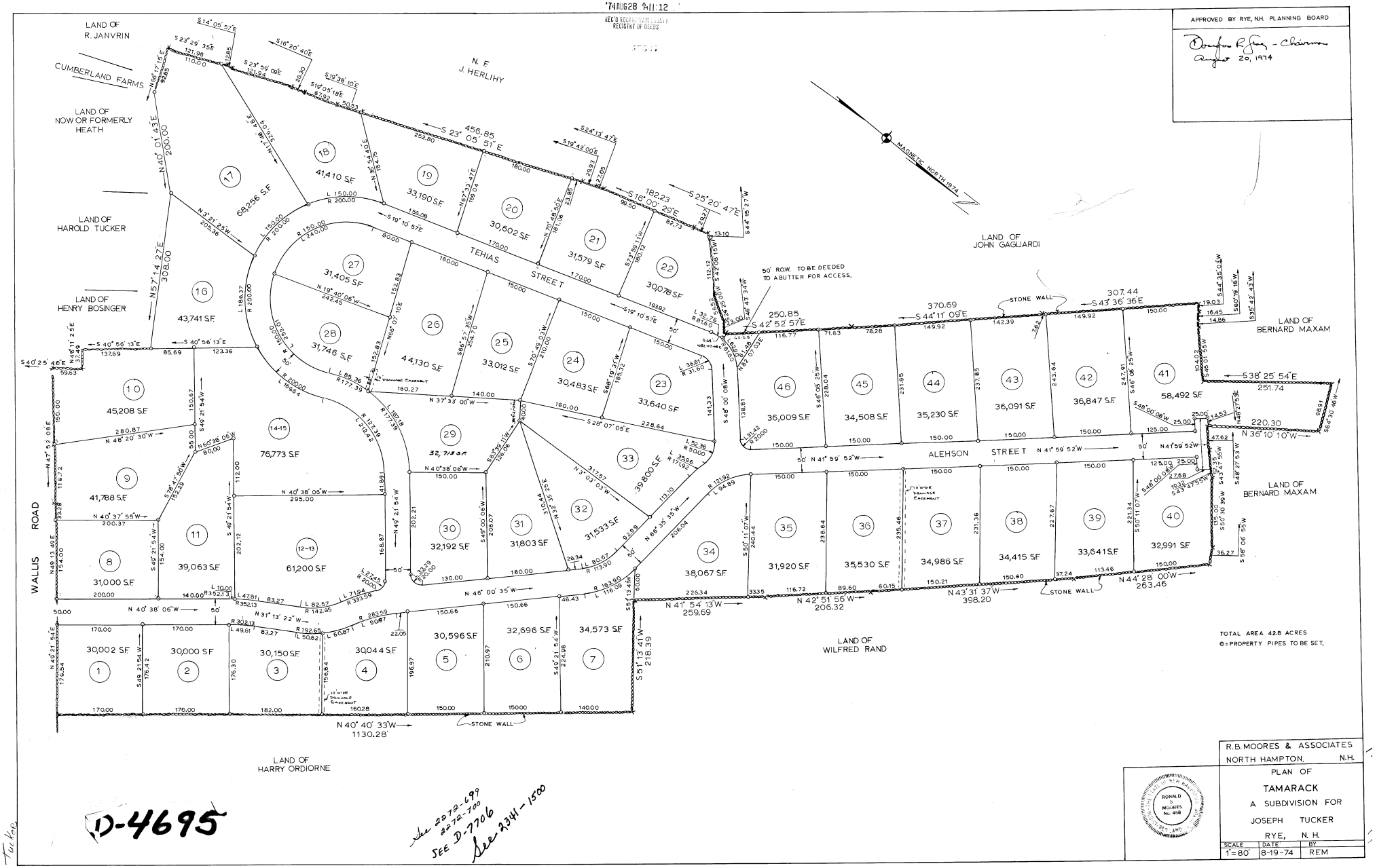
'74 AUG 28 A 11:12

REC'D ROCKINGHAM COUNTY REGISTRY OF DEEDS

APPROVED BY RYE, N.H. PLANNING BOARD

Theodore R. Grey - Chairman

August 20, 1974



TOTAL AREA 42.8 ACRES

⊙ = PROPERTY PIPES TO BE SET.

R.B. MOORES & ASSOCIATES
NORTH HAMPTON, N.H.

PLAN OF
TAMARACK
A SUBDIVISION FOR
JOSEPH TUCKER
RYE, N. H.

SCALE	DATE	BY
1"=80'	8-19-74	REM

RONALD R. MOORES No. 468

D-4695

See 2272-699
2272-700
SEE D-7706
See 2341-1500

Printed from Internet by Acct #: s58 on 2/17/2010

WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 369-4747
www.thecleansolution.com email: info@thecleansolution.com

March 25, 2010

Richard & Carol Neitz
48 Alehson Drive
Rye, NH 03870

Dear Mr. & Mrs. Neitz:

Thank you for choosing to use ***THE CLEAN SOLUTION™*** alternative septic system for your existing 3-bedroom with a proposed 1-bedroom expansion, single-family home located at 48 Alehson Drive in Rye, NH. Attached is a sales agreement for the system. This agreement describes what you are buying, the required maintenance, your warranty, the price and the terms of sale.

The following is enclosed:

1. A complete copy of the Sales Agreement and Inspection Contract for your records.

2. **Inspection Contract** - Return one signed copy to Anne Bialobrzeski of Stockton Services. Anne will send one signed copy to NHDES with your subsurface disposal plan submittal. NHDES needs this for their records to show that you are aware of the required maintenance.

3. **Sales Agreement and Inspection Contract –** Please sign and return with the initial payment to WAI approximately three weeks prior to the system installation. Please provide WAI with the name and contact information of your installer. This information is needed to allow WAI to coordinate the installation date.

I look forward to working with you. Please give me a call if you would like to discuss the system or the sales agreement.

Sincerely,

Gary R. Spaulding
General Manager

WASTEWATER ALTERNATIVES, INC

2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 369-4747
www.thecleansolution.com email: gary@thecleansolution.com

RESIDENTIAL
SALES AGREEMENT
March 25, 2010

BUYER:	
Name:	Richard & Carol Neitz
Address:	48 Alehson Drive
City, State Zip:	Rye, NH 03870
Phone:	
Cell:	
Email:	
OWNER-IF DIFFERENT:	
Name:	
Address:	
City, State Zip:	
Phone:	
Cell:	
Email:	

SITE:	
Property ID:	Tax Map 16 Lot# 55
Address:	48 Alehson Drive
City, State, Zip:	Rye, NH 03870
Waterbody:	N/A
Property Type:	
Residential Single Family:	Yes
Residential Seasonal:	No

Wastewater Alternatives, Inc. (WAI) agrees to supply a Model **250ST-R4 *CLEAN SOLUTION™*** Sewage Treatment System to the buyer installed at the above site in accordance with the attached specifications and the subsurface disposal plan submitted for an *existing 3-bedroom with a proposed 1-bedroom expansion, single family home* by *(Stockton Services)***,** as approved by NHDES. ***THE CLEAN SOLUTION*** system has been designed based on design parameters provided by the designer / owner. Change of use that results in the increase in daily flow or wastewater strength will require approval by WAI. Approval from NHDES and Local Land Use Boards may also be required.

SHOULD THE ABOVE PROPERTY BE SOLD, THE ABOVE OWNER SHALL PROVIDE THE NEW OWNER WITH A COPY OF THIS AGREEMENT. THE TERMS AND CONDITIONS OF THIS AGREEMENT WILL TRANSFER TO THE NEW BUYER AND BECOME BINDING ON THE NEW OWNER(S).

This Sales Agreement is subject to the following conditions:

1. The buyer has retained a licensed designer and has obtained all necessary approvals from NHDES and Local Land Use Boards.
2. The buyer will provide WAI with copies of the plans approved by NHDES.
3. The buyer has or will have retained a qualified installer licensed by the State to install Subsurface Disposal Systems prior to system installation.
4. This agreement contains a required maintenance schedule. Failure to perform the required maintenance could result in premature failure of the dispersal field and void the warranty of system and system components.

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SYSTEM COMPONENTS PROVIDED BY WAI:

WAI will provide the following system components as shown on the attached design schematic and specifications. These components shall be installed as shown on the design plans by a qualified installer licensed by the State of NH to install Subsurface Disposal Systems.

1. A 3-compartment 2,100-gallon (1,250/350/500) tank to function as a septic tank, an aerobic treatment tank, and settling tank.
2. Plastic access covers and plastic risers to a maximum height of 24". If depth of cover over the top of the tank exceeds 24", the site contractor shall provide additional risers as necessary. Contractor shall ensure that all risers are watertight and that all screws and gaskets are in place and that the cover(s) have been secured. If concrete risers, covers or cast iron covers are used, contractor shall use water plug or an equivalent method to ensure water tightness.

WAI will provide the following system components and labor to install components as shown in the attached design schematic and specifications:

1. Plastic Media in BioCon™ Chamber
2. 1 - SL44 Compressor - Owner and WAI will mutually determine placement of the compressor. Compressor needs to be within 50' of the BioCon tank.
3. Oxygen transfer system.
4. Baffles within BioCon™ Chamber and settling tank.
5. Air compressor shelf.

Electrical Requirements to be provided by Owner:

1. **Owner shall be responsible for hiring a licensed electrician.**
2. A 120-volt outlet, non-ground fault circuit capable of supplying 1 amp continuously for each compressor and that meets current electrical codes adopted by The State of NH or local Municipality. Location of the outlet(s) shall be within 50' of the BioCon Chamber. (The power required for each compressor is approximately the same as a 100 watt light bulb)

Following not provided by WAI:

1. Additional septic tanks.
2. Exterior housing unit for the compressor(s).
3. Exterior Venting may be required for older homes or systems where effluent is pumped to ***THE CLEAN SOLUTION*** system.

All system components supplied by WAI are standard duty rated. Heavy Duty tanks and risers shall be required when the depth of fill exceeds 3 feet but is less than 5 feet. H-20 loaded tanks and risers will be required when the depth of fill is 5 feet or greater and/or is subject to vehicular traffic. Contact WAI for updated pricing for Heavy Duty or H-20 loaded components.

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OWNER HAS THE FOLLOWING UNDERSTANDING

THE CLEAN SOLUTION system has been designed based on information provide by the owner(s) or owner(s) designer/engineer. Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications. The owner(s) contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of ***THE CLEAN SOLUTION*** system are watertight to prevent infiltration from groundwater and surface runoff. ***THE CLEAN SOLUTION*** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. WAI recommends that backwash discharge or water from high water use fixtures be discharged into an approved drywell. If the septic system requires an effluent pump to be used to discharge effluent to the dispersal field, WAI recommends that the pump be placed in a separate pump tank external of ***THE CLEAN SOLUTION*** system on an 8" high concrete block. The pump chamber shall be inspected on a two-year cycle for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. If the effluent pump is placed within ***THE CLEAN SOLUTION*** system-settling tank then the pump shall be placed on a concrete block that is 12" high and the settling chamber shall be inspected on a yearly basis for sludge buildup and pumped as necessary to prevent sludge from being pumped to the dispersal field. More frequent inspections and pumping may be required based on system loading and occupant use.

MAINTENANCE SUGGESTIONS:

There is an ongoing concern with pharmaceuticals, medical treatments, and personal care products and how these products affect septic system functions. Although there is not yet enough data to clearly understand the impacts of these products on septic systems, it is known that without the proper balance of bacteria in the septic tank, waste cannot break down as efficiently.
WAI recommends the following:
1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system by flushing them down the drain. See if your local pharmacy has a take back program or dispose of them in the trash.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected on an annual basis to determine the proper maintenance schedule.

PERFORMANCE SPECIFICATIONS:

This system has been designed based on the following estimated residential wastewater influent strength from the primary treatment tank(s) of 180 mg/l BOD5, 150 mg/l TSS and <5 mg/l FOG. The system is warranted to discharge clean, odor free water to the dispersal field, equivalent or better than 30mg/l BOD5, 30mg/l TSS.

RIGHTS TO DATA AND ACCESS TO THE SYSTEM

WAI reserves the right of reasonable access to collect data, modify, maintain and repair ***THE CLEAN SOLUTION*** and its subsystems. WAI will retain all data collected and the rights to it.

DELIVERY

WAI will be prepared to install the system approximately 3 weeks after you have chosen an installer and returned a signed copy of this agreement with the initial payment to WAI. **It is important that WAI be able to coordinate with the installer. Owner to provide WAI with the installer's contact information.**

TRADE SECRETS

THE CLEAN SOLUTION is the result of the expenditure of much effort and money. The design of the components and operational cycle are the intellectual property of WAI and may not be revealed without written permission.

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WARRANTY FOR RESIDENTIAL SINGLE FAMILY SYSTEM

For a period of 10 years, WAI will warranty the components within BioCon™ chamber and repair or replace any of these components, including parts and labor, at no cost to you. This does not cover pumping the system to make necessary repairs.

WAI will extend the compressor manufacturer's warranty from two to four years. This covers compressor(s) that have been maintained and used under normal operating conditions. WAI will provide replacement air compressor(s) at cost-plus shipping for compressors not covered under warranty. Labor to replace compressor(s) will be billed out at WAI standard hourly rates.

Warranty for pump chamber components (pump, floats, alarms) installed by WAI is limited to the pump / floats / alarm manufacturer's terms and conditions. Labor to replace sump / effluent pump / floats / alarms will be billed out at WAI standard hourly rates.

This warranty does not cover system failures caused by water fixture leaks, water overuse, and groundwater leaks or flooding.

Warranty of all other types of dispersal fields (i.e. fabric style leaching components) is limited to manufacturer's warranty and not covered by WAI or WAI warranties.

Owner(s) responsibility during this period is to perform the required maintenance and have an inspection contract with WAI or an approved vendor in effect at all times. Failure to perform the required maintenance, have an inspection contract, and maintain records of pumping or to notify WAI of any problems will void this warranty. This warranty also does not cover damage caused by improper use, poor construction or design practices, high groundwater, flooding or acts of God.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THE SEWAGE TREATMENT SYSTEM SHALL BE LIMITED IN DURATION TO ONE YEAR.

*WASTEWATER ALTERNATIVES INC. SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NOR SHALL WASTEWATER ALTERNATIVES, INC. LIABILITY UNDER THIS WARRANTY EXCEED THE PRICE PAID BY THE BUYER TO WASTEWATER ALTERNATIVES, INC. FOR **THE CLEAN SOLUTION SYSTEM**.*

WASTEWATER ALTERNATIVES, INC
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PAYMENT

The agreed upon price for the WAI equipment and services detailed in the Sales Agreement is **$6,800.00. ELECTRICAL WORK NOT INCLUDED IN PRICE.**

Payment is requested as follows:
$3,400.00 upon signing this agreement
$3,400.00 immediately upon WAI installing system components.
Ownership will transfer to the buyer upon final payment. Failure to pay WAI will void all warrantees.

The price does not include electrical wiring, excavation to install the components of this system, dispersal field, or connections from the house to ***THE CLEAN SOLUTION*** or to the dispersal field.

THIS PRICE IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEM COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT.

Please send payment to:
Wastewater Alternatives Inc.
2 Whitney Road – Suite 10
Concord, NH 03301

If Paying by Credit Card please call:
WAI Accounting Department
1-978-448-2280

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached INSPECTION CONTRACT requirements and agrees to the terms of the SALES AGREEMENT and to perform the necessary maintenance and inspections as outlined in the INSPECTION CONTRACT.

ACCEPTED:

BUYER:

Richard & Carol Neitz
48 Alehson Drive
Rye, NH 03870
Phone:

SELLER:

Wastewater Alternatives, Inc.
Gary R. Spaulding
General Manager

DATE: **March 25, 2010**

WASTEWATER ALTERNATIVES, INC

2 Whitney Road – Suite 10 - Concord, NH 03301

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 369-4747
www.thecleansolution.com email: gary@thecleansolution.com

RESIDENTIAL
INSPECTION AGREEMENT
March 25, 2010

BUYER:	
Name:	Richard & Carol Neitz
Address:	48 Alehson Drive
City, State Zip:	Rye, NH 03870
Phone:	
Cell:	
Email:	

OWNER-IF DIFFERENT:
Name:
Address:
City, State Zip:
Phone:
Cell:
Email:

SITE:	
Property ID:	Tax Map 16 Lot# 55
Address:	48 Alehson Drive
City, State, Zip:	Rye, NH 03870
Waterbody:	N/A

Property Type:
Residential Single Family: Yes
Residential Seasonal: No

MAINTENANCE REQUIRED:

The following maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☒ **Full Time Residential Use (Single Family Home)**

1. Inspection every 2 years by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections.
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 3 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI and the pumper can determine the required frequency. Owner must retain records of pumping.
3. Compressor must run continuously. It should be checked for operation at least once a month.
4. BioCon™ chamber may require pumping between 6 and 8 years. WAI Technician will determine if pumping is necessary during inspection.
5. Compressor Air Filter to be cleaned or replaced yearly.

☐ **Seasonal Residential Use (Single Family Home when used less than 6 months per year)**

1. Inspection every 3 years by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections.
2. Use a local pumper to pump out the septic and settling/pump tanks every 2 to 4 years. More or less frequent pumping may be required depending on system use and number of occupants. WAI or the pumper can determine the required frequency. Homeowner must retain records of pumping.
3. Compressor must run continuously. It should be checked for operation at least once a month.

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4. Compressor may be disconnected during the off-season.
5. BioCon™ chamber may require pumping between 8 and 10 years. WAI Technician will determine if pumping is necessary during inspection.
6. Compressor Air Filter to be cleaned or replaced yearly.

Additional Maintenance Suggestions:

There is an ongoing concern with pharmaceuticals, medical treatments, and personal care products and how these products affect septic system functions. Although there is not yet enough data to clearly understand the impacts of these products on septic systems, it is known that without the proper balance of bacteria in the septic tank, waste cannot break down as efficiently.
WAI recommends the following:
1. The EPA suggests that unused pharmaceuticals, either prescription or over the counter medicines, not be disposed of in the septic system by flushing them down the drain. See if your local pharmacy has a take back program or dispose of them in the trash.
2. If a resident of the home is undergoing medical treatment with high strength antibiotics, the system should be inspected on an annual basis to determine the proper maintenance schedule.

Following the above schedule will fulfill your obligations to maintain your warranty.

The first inspection is included in the sales price. Maintenance Contracts are available from WAI. The service will include a detailed inspection of the system and replacement of any failed items within the BioCon Chamber. Tank pumping is not included in the price and must be arranged by the property owner. Failure to have a maintenance agreement with WAI or an approved vendor will void maintenance warranty outlined in the **Sales Agreement.**

INSPECTION FEE SCHEDULE
Single Family Residential Homes – fee is $200.00 per inspection plus the cost of replacement parts not covered by warranty.

Inspection fees may be revised by WAI as needed to adjust cost of services.

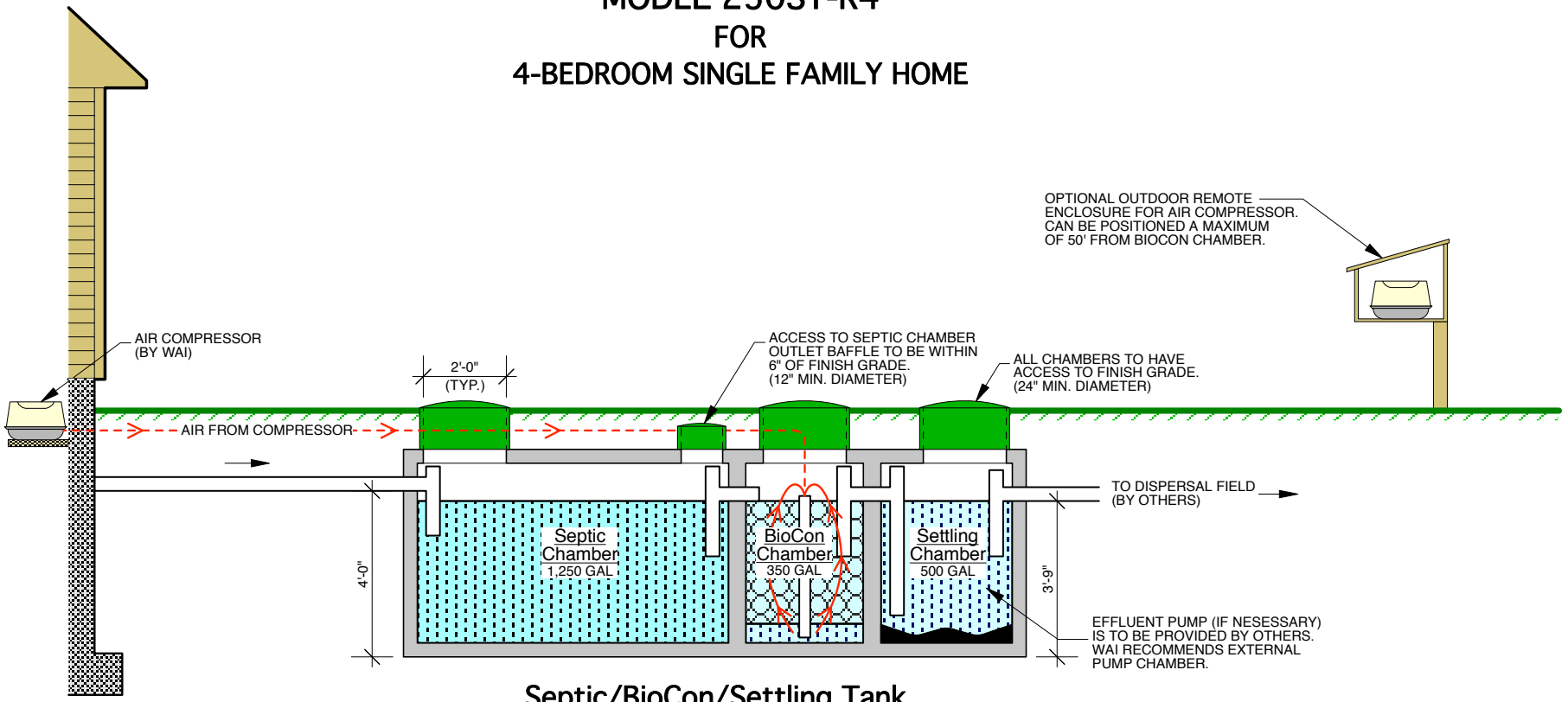
Inspection fees will be billed at time of service. Failure to perform inspection or pay for inspection will void WAI warranty.

By signing below the owner or owner's representative has read the above Maintenance requirements and conditions outlined in the SALES AGREEMENT and agrees to perform the necessary maintenance and inspections as outlined.

ACCEPTED:
BUYER:

Richard & Carol Neitz
48 Alehson Drive
Rye, NH 03870
Phone:
DATE:

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM
MODEL 250ST-R4
FOR
4-BEDROOM SINGLE FAMILY HOME


OPTIONAL OUTDOOR REMOTE ENCLOSURE FOR AIR COMPRESSOR. CAN BE POSITIONED A MAXIMUM OF 50' FROM BIOCON CHAMBER.
AIR COMPRESSOR (BY WAI)
2'-0" (TYP.)
ACCESS TO SEPTIC CHAMBER OUTLET BAFFLE TO BE WITHIN 6" OF FINISH GRADE. (12" MIN. DIAMETER)
ALL CHAMBERS TO HAVE ACCESS TO FINISH GRADE. (24" MIN. DIAMETER)
AIR FROM COMPRESSOR
TO DISPERSAL FIELD (BY OTHERS)
Septic Chamber 1,250 GAL
BioCon Chamber 350 GAL
Settling Chamber 500 GAL
4'-0"
3'-9"
EFFLUENT PUMP (IF NESESSARY) IS TO BE PROVIDED BY OTHERS. WAI RECOMMENDS EXTERNAL PUMP CHAMBER.

Septic/BioCon/Settling Tank

- Provided by WAI -

2,100 GAL 3-Compartment Tank

(15'0"L x 6'6"W x 5'0"H)

Tank from:

A.J. Foss Inc.
Farmington, NH 03835
Tel: 603-755-2515

NOTES:

1. Septic & Settling Compartments must be pumped every 2 to 3 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Plastic risers will be provided to suite site (up to 24" depth). Contractor to provide additional risers to finish grade if cover over tank exceeds 24".

Site: Tax Map 16, Lot# 55 48 Alehson Drive Rye, NH 03870	Owner: Richard & Carol Neitz 48 Alehson Drive Rye, NH 03870	Date 03/25/2010 Rev.	WASTEWATER ALTERNATIVES, INC. **THE CLEAN SOLUTION™** 2 Whitney Road - Suite 10 Concord, NH 03301 Tel. 1-866-900-2415 Fax. 603-369-4747 www.thecleansolution.com

250ST-R4_Foss.vwx

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WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
2 Whitney Road – Suite 10
Concord, NH 03301
Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 369-4747
www.thecleansolution.com email: info@thecleansolution.com

THEORY of *THE CLEAN SOLUTION*

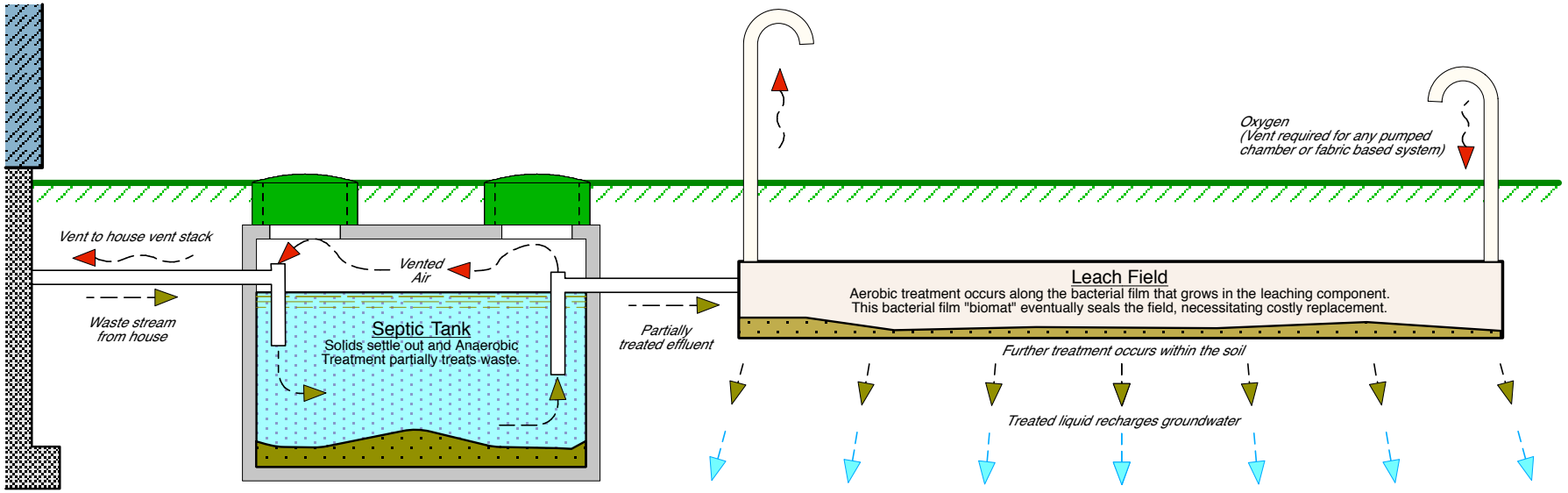
Conventional small to mid-size sewage systems normally use a septic tank followed by a leach field to first provide anaerobic (without air) and then aerobic (with air) treatment of the effluent. Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into the liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater use different equipment to accomplish the same biological functions: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

All aerobic treatment systems, whether a conventional leach field, municipal treatment plant, or *THE CLEAN SOLUTION*, depend on bacteria to purify the effluent from a solids settling system. In order for bacteria to reproduce they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air the bacteria metabolize the dissolved solids to carbon dioxide, water and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In *THE CLEAN SOLUTION* the bacteria collect in a thin film on the plastic media in WAI'S proprietary BioCon biological contactor, the effluent is circulating over the plastic media several times.

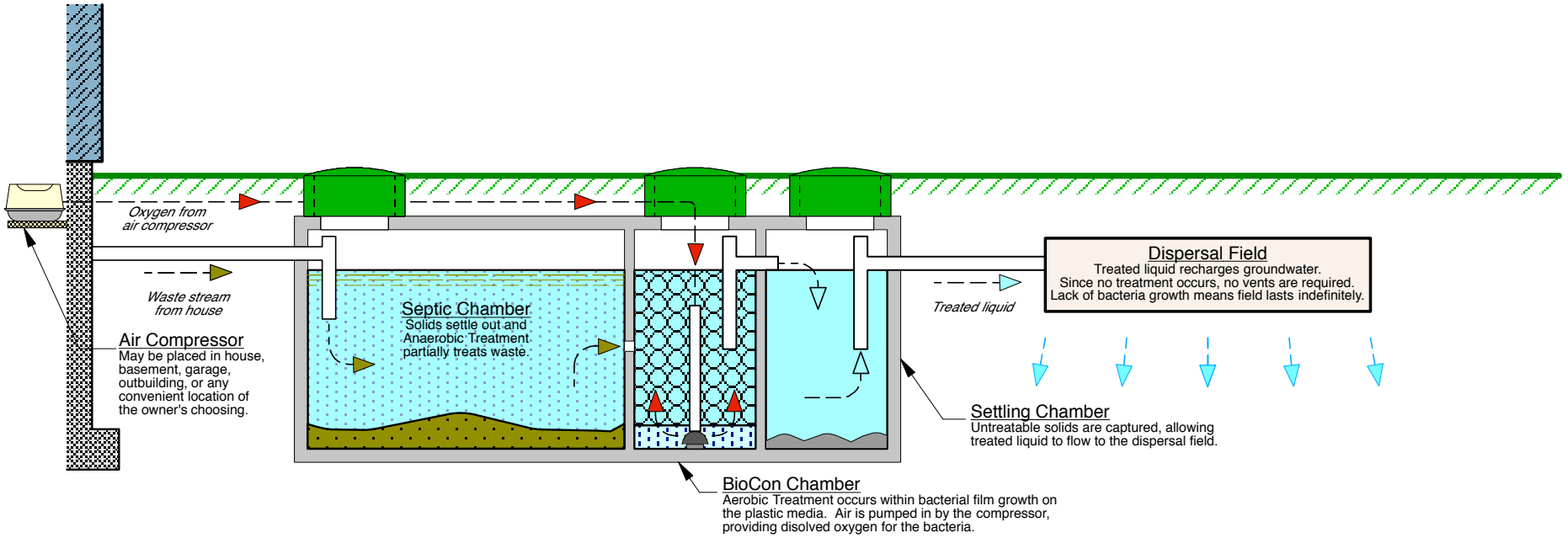
THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water and sludge. In addition the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and *THE CLEAN SOLUTION* is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In *THE CLEAN SOLUTION* system the sludge is formed in the BioCon chamber resulting in treated; clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no for further treatment to reduce BOD and TSS.


Oxygen
(Vent required for any pumped
chamber or fabric based system)
Vent to house vent stack
Vented
Air
Waste stream
from house
Septic Tank
Solids settle out and Anaerobic
Treatment partially treats waste.
Partially
treated effluent
Leach Field
Aerobic treatment occurs along the bacterial film that grows in the leaching component.
This bacterial film "biomat" eventually seals the field, necessitating costly replacement.
Further treatment occurs within the soil
Treated liquid recharges groundwater

LEACH FIELD BASED SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.



THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.

WASTEWATER ALTERNATIVES, INC.
THE CLEAN SOLUTION™
11 Hethlon Road
Canterbury, NH 03224
Tel. 1-866-900-2415 Fax. 603-783-4499
www.thecleansolution.com

APPROVAL FOR CONSTRUCTION

CA2010100495 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2010100495
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: CAROL/RICHARD NEITZ
48 ALEHSON DR
RYE NH 03870-

COPY SENT TO: BUILDING INSPECTOR
10 CENTRAL RD
RYE NH 03870

BY APPLICANT: PERMIT NO. 00348
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.:	16 / 55
Subd. Appvl. No.:	8066
Subd. Name:	TAMARACK
County:	ROCKINGHAM
Registry Book No.:	4463
Registry Page No.:	2076
Probate Docket No. (If Applicable)	
Type of System:	N 4 BR 600 GPD
Town/City Location:	RYE
Street Location:	48 ALEHSON DRIVE

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. APPROVED WITH A MUNICIPAL WATER SUPPLY ONLY.
2. SYSTEM MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

04/19/2010 DARREN K KING

Approved this date: _____ By: _____
N.H. Department of Environmental Services Staff

Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01

201000923 APPLICANT'S

MOTTLED, SOMEWHAT FIRM IN PLACE

ESHWT @ 30", NO OBSERVED WATER,
NO REFUSAL, ROOTS TO 30"+

PT

PERC TEST DATA

PERC RATE: N/A WITH CLEAN SOLUTION SYSTEM

DESIGN LOADING: 4 BEDROOMS

AREA REQUIRED: CLEAN SOLUTION MIN 100-200 SF

AREA PROPOSED: 10' X 40' = 400 SF PROPOSED

Signed _____ Date APR 19 2010

NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION

REVIEWED AND APPROVED CA2010100495
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

TO BE INSTALLED IN EVENT OF EXISTING SYSTEM FAILURE ONLY

LOCUS: 48 ALEHSON DRIVE, RYE NH
TAX MAP 16 LOT 55

OWNER: RICHARD AND CAROL NEITZ
48 ALEHSON DRIVE
RYE, NH 03870

RECEIVED
APR 16 2010
By Subsurface

S OCCUR,

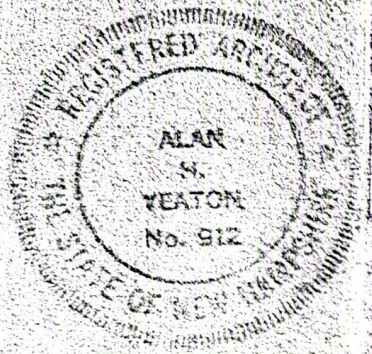
NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
Ann W. Białobrzeski
No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843-1306
603 929-7404

DATE: APRIL 7, 2010

APPROVAL: _____

585



RECEIVED
APR 6 1977
WATER SUPPLY & POLLUTION
CONTROL COMMISSION

LOCUS PLAN

RYE, N.H

PLOT PLAN FOR LOT #31 (TAHLTAN) (COBB) SCALE 1" = 20'

NELSON ROAD, RYE, NEW HAMPSHIRE 03870

SUBDIVISION APPROVAL NO. 8066

OWNER: FREDERICK & JOY GHENT, 111 WENTWORTH ROAD, PORTSMOUTH, N.H. 03801

APPLICANT: SAME DATE JAN 3, 1976

DETAILS BY OWNER:

DESIGNED BY: ALAN H. YEATON, ARCHITECT

864 CHESTER ROAD, MANCHESTER, N.H. 03103

Richard P.
Carol Neitz
10AM - 431-2559 -

Exis 3 Bedroom
wants to expand
to ~~5 bedroom~~ 4 OK per Carol 3/17/10

48 Alebson Drive
off Walles Rd.

1978-79 built
1999 ~~decks~~ replacement in kind

~~DES~~ - has original design

Wetlands, septic

town

14-15
6,773 S.F.
12-13
61,200 S.F.
29
32,715 S.F.
30
32,192 S.F.
31
31,803 S.F.
32
31,533 S.F.
33
39,800 S.F.
23
33,640 S.F.
30,483 S.F.
33,012 S.F.
34
38,067 S.F.
30,596 S.F.
32,696 S.F.
34,573 S.F.
R 200.00
L 169.64
L 85.36
R 177.39
10' DRAINAGE EASEMENT
160.27
140.00
N 37° 33' 00"W
L 187.18
R 177.39
R 127.39
L 212.42
N 40° 38' 06"W
295.00
41.89
N 49° 21' 54"W
168.87
50'
L 27.45
R 20.00
L 71.94
R 333.59
L 82.57
R 142.65
N 40° 38' 06"W
150.00
S 83° 39' 11"W
126.06
40.00
202.21
S 49° 00' 06"W
208.07
L 33.29
R 20.00
130.00
160.00
N 46° 00' 35"W
22.05
150.66
150.66
46.43
S 68° 19' 31"
185.32
160.00
S 28° 07' 05"E
228.64
141.33
S 48° 00' 08"W
138.81
L 36.81
R 31.60
L 52.36
R 50.00
L 35.96
R 171.92
N 3° 03' 03"W
317.57
113.10
N 32° 35' 25"E
310.44
92.99
26.34
L 80.67
R 113.90
R 121.92
L 94.89
N 86° 35' 35"W
206.04
S 50° 11' 07"W
240.44
R 163.90
L 116.09
S 51° 13' 41"W
60.00
226.34
N 41° 54' 13"W
259.69
102
103
104
105
106
107
109
4463-2077
3476-689
48532194
PRODAPLS JOINT TRUST
TO BERMAN

Powered by Vision Appr

MBLU :	016/ 055/ / / /
Location:	48 ALEHSON STREET
Owner Name:	NEITZ RICHARD P & CAROL A
Account Number:	001729

Parcel Value

Item	Assessed Value
Buildings	216,300
Xtra Bldg Features	3,400
Outbuildings	0
Land	267,800
Total:	487,500

Owner of Record

NEITZ RICHARD P & CAROL A
48 ALEHSON STREET
RYE, NH 03870

Ownership History

Owner Name	Book/Page	Sale Date	Sale Price
NEITZ RICHARD P & CAROL A	4463/2076	4/11/2005	456,200
NEWMAN, LAURA A. + LESLIE B.	3413/0900	8/2/1999	312,000

Land Use

Land Use Code	Land Use Description
1010	SINGLE FAM MDL-01

Land Line Valuation

Size	Zone	Assessed Value
0.73 AC	SRES	267,800

Construction Detail

Building # 1

STYLE Cape Cod	MODEL Residential	Grade: Average +10
Stories: 1 1/2 Stories	Occupancy 1	Exterior Wall 1 Wood Shingle
Roof Structure: Gable/Hip	Roof Cover Asph/F Gls/Cmp	Interior Wall 1 Drywall/Sheet
Interior Flr 1 Hardwood	Interior Flr 2 Carpet	Heat Fuel Oil
Heat Type: Hot Water	AC Type: None	Total Bedrooms: 03
Total Bthrms: 2	Total Half Baths: 0	Total Rooms: 6
Bath Style: Average	Kitchen Style: Average	

Building Valuation

Living Area: 1,680 square feet	Replacement Cost: 222,580	Year Built: 1977
Depreciation: 9%	Building Value: 216,300	

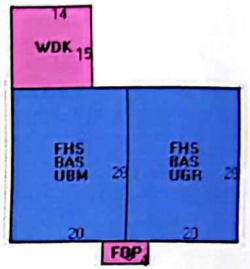
Extra Features

Code	Description	Units
FPL2	1.5 STORY CHM	1 UNITS

Outbuildings

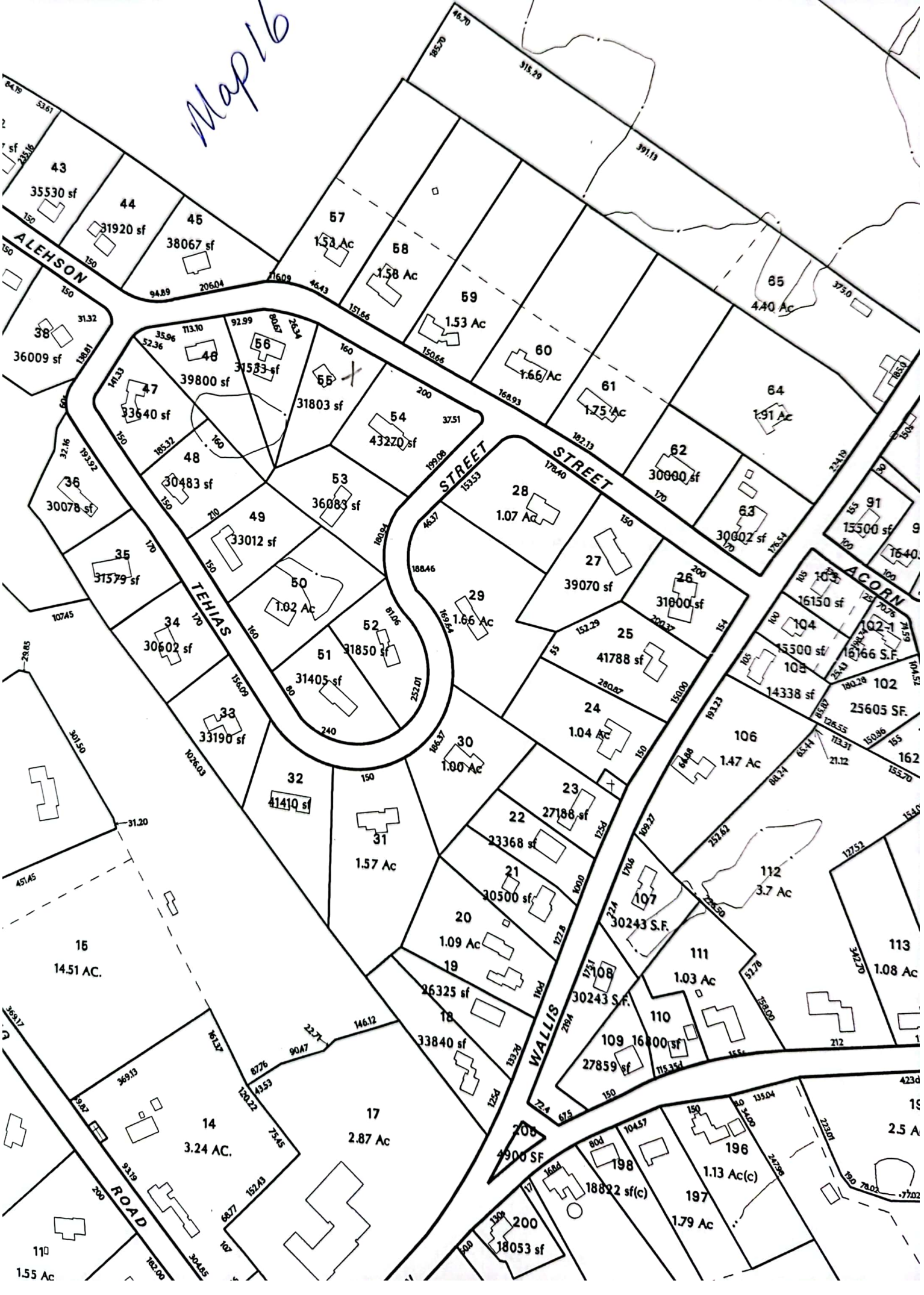
Code	Description	Units
No Outbuildings		

Building Sketch



Subarea Summary

Code	Description	Gross Area	Living Area
BAS	First Floor	1120	1120
FHS	Half Story, Finished	1120	560
FOP	Porch, Open	32	0
UBM	Basement, Unfinished	560	0
UGR	Garage, Basement	560	0
WDK	Deck, Wood	210	0


Map 16
ALEHSON
STREET
STREET
TEHIAS
ACORN
WALLIS
ROAD
43
35530 sf
44
31920 sf
45
38067 sf
57
1.53 Ac
58
1.58 Ac
59
1.53 Ac
60
1.66 Ac
61
1.75 Ac
62
30000 sf
63
30002 sf
64
1.91 Ac
65
4.40 Ac
38
36009 sf
46
39800 sf
56
31533 sf
55
31803 sf
54
43270 sf
47
33640 sf
48
30483 sf
53
36083 sf
49
33012 sf
50
1.02 Ac
51
31405 sf
52
31850 sf
36
30078 sf
35
31579 sf
34
30602 sf
33
33190 sf
32
41410 sf
31
1.57 Ac
30
1.00 Ac
29
1.66 Ac
28
1.07 Ac
27
39070 sf
26
31000 sf
25
41788 sf
24
1.04 Ac
23
27188 sf
22
23368 sf
21
30500 sf
20
1.09 Ac
19
26325 sf
18
33840 sf
91
13500 sf
103
16150 sf
104
15500 sf
102-1
16166 S.F.
105
14338 sf
102
25605 SF.
106
1.47 Ac
107
30243 S.F.
108
30243 S.F.
109
27859 sf
110
16800 sf
111
1.03 Ac
112
3.7 Ac
113
1.08 Ac
15
14.51 AC.
14
3.24 AC.
17
2.87 Ac
208
4900 SF
198
18822 sf(c)
196
1.13 Ac(c)
197
1.79 Ac
200
18053 sf
110
1.55 Ac

Mile L55

Nothing in bldg dept town file

4463-2076 ↑

Laura & Leslie Newman — had chris do in-kind

3413-900 ↑

Robert & Jaye Morton

lot 21
D4695
2242-1649
covenants

RYE REQUIRES 4' TO SHUT (NO ENVIRO)

Is that wet area "Rye Wetlands"?

2/24/10 verbal, go ahead by phone no rush

agent # 392328

Rick 922-1693

carolnertz@yahoo.com

TB 50
BM 9 JOB 2

2/23 called - 1 CONTIGUOUS acre required for town buffer to apply

Chris can't find 1999 sketch - All souls might have just put 109 but maybe not worth the trouble

she will talk to husband her. I will wait to hear from